

DT	07-NOV-2001 (first entry)	PR	14-SEP-2000; 2000US-0233064.
XX		PR	14-SEP-2000; 2000US-0233065.
DE	Human Immune/haematopoietic antigen SEQ ID NO:15678.	PR	21-SEP-2000; 2000US-0234323.
XX		PR	21-SEP-2000; 2000US-0234324.
KM	Human; Immune; haematopoietic; immune/haematopoietic antigen; cancer;	PR	25-SEP-2000; 2000US-0234397.
KW	cytostatic; gene therapy; vaccine; metastasis.	PR	25-SEP-2000; 2000US-0234398.
XX		PR	26-SEP-2000; 2000US-0235484.
OS	Homo sapiens.	PR	27-SEP-2000; 2000US-0235834.
XX		PR	27-SEP-2000; 2000US-0235835.
PN	WO200157182-A2.	PR	29-SEP-2000; 2000US-0236327.
XX		PR	29-SEP-2000; 2000US-0236367.
PD	09-AUG-2001.	PR	29-SEP-2000; 2000US-0236368.
XX		PR	29-SEP-2000; 2000US-0236369.
PF	17-JAN-2001; 2001WO-US01354.	PR	29-SEP-2000; 2000US-0236370.
XX		PR	02-OCT-2000; 2000US-0236802.
PR	31-JAN-2000; 2000US-0179065.	PR	02-OCT-2000; 2000US-0237037.
PR	04-FEB-2000; 2000US-0180628.	PR	02-OCT-2000; 2000US-0237038.
PR	24-FEB-2000; 2000US-0184664.	PR	02-OCT-2000; 2000US-0237039.
PR	02-MAR-2000; 2000US-0186350.	PR	02-OCT-2000; 2000US-0237040.
PR	16-MAR-2000; 2000US-0189874.	PR	13-OCT-2000; 2000US-0239935.
PR	17-MAR-2000; 2000US-0190076.	PR	13-OCT-2000; 2000US-0239937.
PR	18-APR-2000; 2000US-0198123.	PR	20-OCT-2000; 2000US-0240960.
PR	19-MAY-2000; 2000US-0205515.	PR	20-OCT-2000; 2000US-0241221.
PR	07-JUN-2000; 2000US-0209467.	PR	20-OCT-2000; 2000US-0241785.
PR	28-JUN-2000; 2000US-0214886.	PR	20-OCT-2000; 2000US-0241786.
PR	30-JUN-2000; 2000US-0215135.	PR	20-OCT-2000; 2000US-0241787.
PR	07-JUL-2000; 2000US-0216647.	PR	20-OCT-2000; 2000US-0241808.
PR	07-JUL-2000; 2000US-0216880.	PR	20-OCT-2000; 2000US-0241809.
PR	11-JUL-2000; 2000US-0217487.	PR	20-OCT-2000; 2000US-0241826.
PR	11-JUL-2000; 2000US-0217496.	PR	01-NOV-2000; 2000US-0244617.
PR	14-JUL-2000; 2000US-0218290.	PR	08-NOV-2000; 2000US-0246474.
PR	26-JUL-2000; 2000US-0220963.	PR	08-NOV-2000; 2000US-0246475.
PR	26-JUL-2000; 2000US-0220964.	PR	08-NOV-2000; 2000US-0246476.
PR	14-AUG-2000; 2000US-0224518.	PR	08-NOV-2000; 2000US-0246477.
PR	14-AUG-2000; 2000US-0224519.	PR	08-NOV-2000; 2000US-0246478.
PR	14-AUG-2000; 2000US-0225213.	PR	08-NOV-2000; 2000US-0246523.
PR	14-AUG-2000; 2000US-0225214.	PR	08-NOV-2000; 2000US-0246524.
PR	14-AUG-2000; 2000US-0225266.	PR	08-NOV-2000; 2000US-0246525.
PR	14-AUG-2000; 2000US-0225267.	PR	08-NOV-2000; 2000US-0246526.
PR	14-AUG-2000; 2000US-0225268.	PR	08-NOV-2000; 2000US-0246527.
PR	14-AUG-2000; 2000US-0225270.	PR	08-NOV-2000; 2000US-0246528.
PR	14-AUG-2000; 2000US-0225447.	PR	08-NOV-2000; 2000US-0246532.
PR	14-AUG-2000; 2000US-0225757.	PR	08-NOV-2000; 2000US-0246609.
PR	14-AUG-2000; 2000US-0225758.	PR	08-NOV-2000; 2000US-0246610.
PR	14-AUG-2000; 2000US-0225759.	PR	08-NOV-2000; 2000US-0246611.
PR	18-AUG-2000; 2000US-0226279.	PR	08-NOV-2000; 2000US-0246613.
PR	22-AUG-2000; 2000US-0226681.	PR	17-NOV-2000; 2000US-0249207.
PR	22-AUG-2000; 2000US-0226682.	PR	17-NOV-2000; 2000US-0249208.
PR	22-AUG-2000; 2000US-0227182.	PR	17-NOV-2000; 2000US-0249209.
PR	23-AUG-2000; 2000US-0227009.	PR	17-NOV-2000; 2000US-0249210.
PR	30-AUG-2000; 2000US-0228924.	PR	17-NOV-2000; 2000US-0249211.
PR	01-SEP-2000; 2000US-0229287.	PR	17-NOV-2000; 2000US-0249212.
PR	01-SEP-2000; 2000US-0229343.	PR	17-NOV-2000; 2000US-0249213.
PR	01-SEP-2000; 2000US-0229344.	PR	17-NOV-2000; 2000US-0249214.
PR	01-SEP-2000; 2000US-0229345.	PR	17-NOV-2000; 2000US-0249215.
PR	05-SEP-2000; 2000US-0229509.	PR	17-NOV-2000; 2000US-0249216.
PR	05-SEP-2000; 2000US-0229513.	PR	17-NOV-2000; 2000US-0249217.
PR	06-SEP-2000; 2000US-0230437.	PR	17-NOV-2000; 2000US-0249218.
PR	06-SEP-2000; 2000US-0230438.	PR	17-NOV-2000; 2000US-0249244.
PR	08-SEP-2000; 2000US-0231142.	PR	17-NOV-2000; 2000US-0249245.
PR	08-SEP-2000; 2000US-0231243.	PR	17-NOV-2000; 2000US-0249264.
PR	08-SEP-2000; 2000US-0231244.	PR	17-NOV-2000; 2000US-0249265.
PR	08-SEP-2000; 2000US-0231413.	PR	17-NOV-2000; 2000US-0249297.
PR	08-SEP-2000; 2000US-0231414.	PR	17-NOV-2000; 2000US-0249299.
PR	08-SEP-2000; 2000US-0232080.	PR	17-NOV-2000; 2000US-0249300.
PR	08-SEP-2000; 2000US-0232081.	PR	01-DEC-2000; 2000US-0250160.
PR	12-SEP-2000; 2000US-0232197.	PR	05-DEC-2000; 2000US-0250391.
PR	14-SEP-2000; 2000US-0232397.	PR	05-DEC-2000; 2000US-0251030.
PR	14-SEP-2000; 2000US-0232398.	PR	05-DEC-2000; 2000US-0251988.
PR	14-SEP-2000; 2000US-0232399.	PR	05-DEC-2000; 2000US-0256719.
PR	14-SEP-2000; 2000US-0232400.	PR	06-DEC-2000; 2000US-0251479.
PR	14-SEP-2000; 2000US-0232401.	PR	08-DEC-2000; 2000US-0251856.
PR	14-SEP-2000; 2000US-0233063.	PR	08-DEC-2000; 2000US-0251868.

	Matches	349;	Conservative	0;	Mismatches	1;	Indels	0;	Gaps	0;																																											
QY	1	MDL	KALLSLND	FASLSFAES	MDNVGL	VEBSP	PHVT	LEFL	IND	LEEVEEVLQ	KRAD 60																																										
Db	28	MDL	KALLSLND	FASLSFAES	MDNVGL	VEBSP	PHVT	LEFL	IND	LEEVEEVLQ	KRAD 87																																										
QY	61	LILSY	HPPIEP	PMKRIT	WTWKER	LYIR	AL	ENR	NGIS	YSPH	AYDAPOGV	NNMLAK	GLGA 120																																								
Db	88	LILSY	HPPIEP	PMKRIT	WTWKER	LYIR	AL	ENR	NGIS	YSPH	AYDAPOGV	NNMLAK	GLGA 147																																								
QY	121	CTSR	PIHPSK	P	NT	BE	GN	HR	VE	F	N	V	N	T	Q	DL	K	M	S	A	V	K	G	I	D	G	S	V	S	F	S	A	R	T	E	N	E	O	T 180														
Db	148	CTSR	PIHPSK	P	NT	BE	GN	HR	VE	F	N	V	N	T	Q	DL	K	M	S	A	V	K	G	I	D	G	S	V	S	F	S	A	R	T	E	N	E	O	T 207														
QY	181	RIN	NT	C	T	O	K	A	L	M	O	V	V	D	F	L	S	R	N	K	O	L	Y	O	K	E	I	S	L	E	K	P	L	L	H	T	G	M	G	L	C	T	L	D	E	S	V	L	A	T	M	I	D 240
Db	208	RIN	NT	C	T	O	K	A	L	M	O	V	V	D	F	L	S	R	N	K	O	L	Y	O	K	E	I	S	L	E	K	P	L	L	H	T	G	M	G	L	C	T	L	D	E	S	V	L	A	T	M	I	D 267
QY	241	RIR	KH	L	K	L	S	H	I	R	L	A	L	G	V	R	T	L	E	S	O	V	K	V	A	L	C	A	G	S	S	S	V	L	O	G	E	A	D	L	Y	L	T	G	E	M	S	H	H	D	T	L	A 300
Db	268	RIR	KH	L	K	L	S	H	I	R	L	A	L	G	V	R	T	L	E	S	O	V	K	V	A	L	C	A	G	S	S	S	V	L	O	G	E	A	D	L	Y	L	T	G	E	M	S	H	H	D	T	L	A 327
QY	301	A	S	O	C	I	N	T	L	C	H	S	N	T	E	R	G	F	L	S	D	L	D	M	L	S	H	L	E	N	K	N	I	L	L	S	E	F	D	R	P	L	O	V	Y 350								
Db	328	A	S	O	C	I	N	T	L	C	H	S	N	T	E	R	G	F	L	S	D	L	D	M	L	S	H	L	E	N	K	N	I	L	L	S	E	F	D	R	P	L	O	V	Y 377								

XX	RESULT 5
XX	AAB60663
ID	AAB60663 standard; Protein; 351 AA.
XX	
XX	AAB60663;
XX	
D7	04-MAY-2001 (first entry)
XX	
DE	Human gene expression regulatory factor-related protein hnIF3-s.
XX	
KW	Human gene expression regulatory factor-related protein; hnIF3-s;
KW	NG1-interacting factor; haemopoietic stem cell; preparation;
XX	detection.
XX	
OS	Homo sapiens.
XX	
PN	CN1272543-A.
XX	
PD	08-NOV-2000.
XX	
PF	11-APR-2000; 2000CN-0115369.
XX	
PR	11-APR-2000; 2000CN-0115369.
XX	
PA	(NANF-) NANFANG RES CENT STATE HUMAN GENE GROUP.
XX	
PI	Li N, Xiao H, Liu F;
XX	
DR	WPI; 2001-183596/19.
DR	N-PSDB; AAF59945.
XX	
PT	Human gene expression regulatory factor related protein and its coded
PT	sequence -
XX	
PS	Claim 4; Page 19-20; 20pp; Chinese.
XX	
CC	The invention relates to a novel human gene expression regulatory
CC	factor-related protein, hnIF3-s (NG1-interacting factor, AAB60663),
CC	and cDNA encoding it (AA559945). hnIF3-s is expressed in haemopoietic
CC	stem cells. The invention also relates to the preparation of hnIF3-s
CC	proteins and nucleic acids, and the detection of hnIF3-s proteins and
CC	nucleic acids in a sample. The present sequence represents hnIF3-s.
XX	
SO	Sequence 351 AA;
Query Match	96.9%; Score 1743.5; DB 22; Length 351;

[illegible]

XX	RESULT 6
XX	ABB08182
ID	ABB08182 standard; Protein; 247 AA.
AC	ABB08182;
DT	23-SEP-2002 (first entry)
DE	Human protein kinase C 27.17 polypeptide.
KW	Human; protein kinase C 27.17; protein metabolism; enzyme.
OS	Homo sapiens.
PN	CNI333355-A.
PD	30-JAN-2002.
PF	07-JUL-2000; 2000CN-0117049.
PR	07-JUL-2000; 2000CN-0117049.
PA	(SHAN-) SHANGHAI BIODOOR GENE DEV CO LTD.
PI	Mao Y, Xie Y;
DR	WPI; 2002-305609/35.
N-PSDB:	ABL60919.
PT	Human protein kinase C 27.17 polypeptide and its encoding polynucleotide; for treating e.g. protein metabolism disturbance -
PS	Claim 1; Page 26-27 (disclosure); 33pp; Chinese.
CC	The invention relates to a human protein kinase C 27.17 polypeptide and its encoding polynucleotide. The polypeptide can be expressed by standard DNA recombination. The polynucleotide, polypeptide and its antagonist are useful for treating e.g. protein metabolism disturbance. The present sequence represents the human protein kinase C 27.17 polypeptide.
SO	Sequence 247 AA;
Query Match	61.0%; Score 1097; DB 23; Length 247;
Best Local Similarity	93.7%; Pred. No. 2, 5e-98;
Matches 224; Conservative	2; Mismatches 9; Indels 4; Gaps 3

QY 113 WLAKGLACTSRPIHBS-KAPNTPTGCHNHFVFNNTQDLDKVMASAVKIDGVSTVSFS 171
 12 WL-KGLELVP--PGHSTFQAPNFPYRGTHTHEFNVTQDLDKVMASAVKIDGVSTVSFS 68
 QY 172 ARGNGEQTININNCQKALMOVVDLFSRNKOLYQKTEIISLEKPLILHTGMGRLCTLDE 231
 DB 69 ARGNGEQTININNCQKALMOVVDLFSRNKOLYQKTEIISLEKPLILHTGMGRLCTLDE 128
 QY 232 SVSLATFWIDRIKRLKLSHTRIALGVGTLESQVKVALCAGSSSVLQGVADLYLTGE 291
 DB 129 SVSLATFWIDRIKRLKLSHTRIALGVGTLESQVKVALCAGSSSVLQGVADLYLTGE 188
 QY 292 MSHHDITLDAASQGINVILCEHSNTERGFLSDLRDMLDSHLEKINIIILSETDRDPLQVY 350
 DB 189 MSHHDITLDAASQGINVILCEHSNTERGFLSDLRDMLDSHLEKINIIILSETDRDPLQVY 247

RESULT 7

ABB60530 ID ABB60530 standard; Protein: 288 AA.

XX AC ABB60530;

DT 26-MAR-2002 (first entry)

XX DE Drosophila melanogaster polypeptide SEQ ID NO 8382.

KW Drosophila; developmental biology; cell signalling; insecticide;

KM pharmaceutical.

OS Drosophila melanogaster.

FN WO200171042-A2.

XX PD 27-SEP-2001.

XX PF 23-MAR-2001; 2001WO-US09231.

XX PR 23-MAR-2000; 2000US-191637P.

XX PR 11-JUL-2000; 2000US-0614150.

XX PA (PEKE) PE CORP NY.

XX PI Venter JC, Adams M, Li PMD, Myers EW;

XX DR WPI; 2001-656860/75.

XX DR N-PSDB; ABL04633.

PT New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signalling and cell-cell interactions -

PS Disclosure; SEQ ID NO 8382; 21pp + Sequence Listing; English.

XX The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABLI6176-ABLI30511), expressed DNA sequences (ABLI01840-ABLI6175) and the encoded proteins (ABBI57737-ABBI2072).

CC The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences.

XX SQ Sequence 288 AA;

Query Match 32.1%; Score 578; DB 22; Length 288;

Best Local Similarity 33.9%; Pred. No. 1.4e-47; Matches 118; Conservative 61; Mismatches 81; Indels 88; Gaps 4;

QY 3 IKALLSLNDPASFASPDNDVGLVPEPPHTVNTLFTNDLTEEMEEVLQKADLI 62
 9 LAAYVKELENFAPISAEKMDNVGLIEPPHREKQIKILLTNDLTEPVKALEKEAEKI 68
 DB 63 LSYHPIFFRPMKRTTWTMKEERLYTALERNVGIYSPTAYDAAPQVNNMLAKGLACT 122
 QY 69 ISYHPIFFRPMKRTTQSHMKERVYAACIANDIALYSPTAMDKSGGVNMLSKAVNIS 128
 DB 123 SRPIHBSKAPNYPPEGHNRHFVFNNTQDLDKVMASAVKIDGVSTVSFSARTGEEPTRI 182
 DB 129 IRPLEPE-----LGAPPG-----141
 QY 183 NLNCTQKALMOVVDLFSRNKOLYQKTEIISLEKPLILHTGMGRLCTIDESVSLATMDRI 242
 DB 142 -----TSGGRY--IETKELSQVVEST 161
 QY 243 KRHLKLSHTRIALGVGTLESQVKVALCAGSSSVLQGVADLYLTGEMSHDITLDAAS 302
 DB 162 QKRIRNS-VHVALAVGHTPKTLIQSVGICAGSGASLTKIQADLLITGEMSHHEVLEFTH 220
 QY 303 QGINVILCEHSNTERGFLSDLRDMLDSHLEKINIIILSETDRDPLQVY 350
 DB 221 NNTVTLCHNSNSRGEFLHEPCPLTANSLNECELVFSEVDKPLVTY 268

RESULT 8

AAU27916 ID AAU27916 standard; Protein: 146 AA.

XX AC AAU27916;

DT 18-DEC-2001 (first entry)

DE Human contig polypeptide sequence #69.

KW Mammal; human; rhesus monkey; baker's yeast; fission yeast; Norway rat; mouse; Chinese hamster; African clawed frog; fruit fly; dog; leukaemia; cancer; lymphoma; neuroblastoma; autoimmune disorder; cell proliferation; nervous system disorder; inflammatory disorder; cell differentiation; angio genesis; stem cell growth factor; activin; inhibin; cartilage; burn; genetic disorder; bone regeneration; tendon; ligament; tissue repair; cytostatic; antineoplastic; antitumor; antitumor; antitumor; antibacterial; immunosuppressive; vasotropic; antiparkinsonian; neuroprotective; osteoporotic; antidiabetic; antiallergic; immunostimulant; analgesic; gene therapy.

OS Homo sapiens. Synthetic.

PN WO200164834-A2.

PD 07-SEP-2001.

XX PF 26-FEB-2001; 2001WO-US04926.

XX PR 28-FEB-2000; 2000US-0515126.

XX PR 18-MAY-2000; 2000US-0577409.

XX PR 17-JUN-2000; 2000US-0597707.

XX PR 14-JUL-2000; 2000US-0616807.

XX PR 19-SEP-2000; 2000US-0664641.

XX PA (HYSE-) HYSEQ INC.

XX PI Tang YT, Liu C, Zhou P, Asundi V, Zhang J, Zhao QA, Ren F;

XX PI Xue AJ, Yang Y, Wehrman T, Wang J, Ma Y, Wang D, Chen R, Xu C;

XX PI Drmanac R;

XX DR WPI; 2001-589862/66.

XX DR N-PSDB; AAS44816.

PT Novel polypeptides and nucleic acids obtained from cDNA libraries prepared from various human tissues, for diagnosis, treatment of cancer, neurological, inflammatory disorders and for use in arrays for

PT detection -
XX
PS Claim 10; Page 132; 153pp; English.
XX
CC Sequences AAU27676-AAU28019 represent full-length polypeptides and
CC contig polypeptides of the invention. The proteins and their associated
CC DNA sequences are useful for the treatment, diagnosis and prevention of
CC various types of disorder in a mammalian subject such as a human, dog,
CC monkey, mouse, hamster or rat. The disorders include cancers such as
CC leukemia, lymphoma and neuroblastoma, autoimmune disorders such as
CC multiple sclerosis, connective tissue disease, rheumatoid arthritis,
CC diabetes mellitus, allergic rhinitis, asthma and eczema, nervous system
CC disorders such as Parkinson's disease, Alzheimer's disease, Huntington's
CC chorea, amyotrophic lateral sclerosis, spinal muscular atrophy and
CC Werner's disease, inflammatory disorders such as nephritis, Crohn's
CC disease, ischaemia-reperfusion injury, shock, sepsis and inflammatory
CC bowel disease. The sequences exhibit activity relating to angiogenesis,
CC cell proliferation, cell differentiation, stem cell growth factor,
CC activin or inhibin. Therefore, they can be used to manipulate stem cells
CC in culture to give rise to neuroepithelial cells that can be used to
CC augment or replace cells damaged by illness, accidental damage or genetic
CC disorders. The sequences may also be used for regeneration of bone,
CC cartilage, tendons and ligaments and in tissue repair and burn healing.
CC Note: Some sequences for this patent did not form part of the printed
CC specification, but were obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 146 AA:

Query Match 29.8%; Score 536; DB 22; Length 146;
Best Local Similarity 88.7%; Pred. No. 5.7e-44;
Matches 102; Conservative 6; Mismatches 7; Indels 0; Gaps 0;

QY 1 MDKALLSSINDASISPAESMDNGLVPSPPHNTLFLNDLFEENEVLOKKAD 60
Db 32 MDKRALSSINDASISPAESMDNGLVPSPPHNTLFLNDLFEENEVLOKKAH 91
QY 61 LILSYRPPIFRPKRTITWNTWKERLYRALENVGIYSPHTAYDAAPGVNNMIA 115
Db 92 LILSYRPIFRPKRTITWNTWKERLYRALENVGIYSPHTAYDAAPGVNNMVA 146

RESULT 9
ABG20985
ID ABG20985 standard; Protein; 110 AA.
XX
AC ABG20985;
XX
DT 18-FEB-2002 (first entry)
XX
DE Novel human diagnostic protein #20976.
XX
KW Human; chromosome mapping; gene mapping; gene therapy; forensic;
KW food supplement; medical imaging; diagnostic; genetic disorder.
XX
OS Homo sapiens.
XX
PN WO200175067-A2.
XX
PD 11-OCT-2001.
XX
PF 30-MAR-2001; 2001MO-US08631.
XX
PR 31-MAR-2000; 2000US-0540217.
PR 23-AUG-2000; 2000US-0649167.
XX
PA (HYSE-) HYSEQ INC.
XX
PI Drmanac RT, Liu C, Tang YT;
XX
DR WPI; 2001-639362/73.
XX
N-PDB; AAS85172.

PT New isolated polynucleotide and encoded polypeptides, useful in
PT diagnostics, forensics, gene mapping, identification of mutations
PT responsible for genetic disorders or other traits and to assess
PT biodiversity -
XX
PS Claim 20; SEQ ID NO 51344; 103pp; English.
XX
CC The invention relates to isolated polynucleotide (I) and
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome
CC and gene mapping, and in recombinant production of (II). The
CC polynucleotides are also used in diagnostics as expressed sequence tags
CC for identifying expressed genes. (I) is useful in gene therapy techniques
CC to restore normal activity of (II) or to treat disease states involving
CC (II). (II) is useful for generating antibodies against it, detecting or
CC quantitating a polypeptide in tissue, as molecular weight markers and as
CC a food supplement. (II) and its binding partners are useful in medical
CC imaging of sites expressing (II). (I) and (II) are useful for treating
CC disorders involving aberrant protein expression or biological activity.
CC The polypeptide and polynucleotide sequences have applications in
CC diagnostics, forensics, gene mapping, identification of mutations
CC responsible for genetic disorders or other traits to assess biodiversity
CC and to produce other types of data and products dependent on DNA and
CC amino acid sequences. ABG0010-ABG30377 represent novel human
CC diagnostic amino acid sequences of the invention.
CC Note: The sequence data for this patent did not appear in the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 110 AA:

Query Match 28.2%; Score 508; DB 22; Length 110;
Best Local Similarity 100.0%; Pred. No. 2e-41;
Matches 102; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 174 TGENEQRINLCTOKALMOVDFLSRNKOLYOKTEILSEKPLLTGTGRCCTLDES 233
Db 2 TGENEQRINLCTOKALMOVDFLSRNKOLYOKTEILSEKPLLTGTGRCCTLDES 61
QY 234 SLATMDIRKIRHKLKSHIRLALGVGRLESOVRYVALCAGSG 275
Db 62 SLATMDIRKIRHKLKSHIRLALGVGRLESOVRYVALCAGSG 103

RESULT 10
ABG52473
ID ABG52473 standard; Peptide; 68 AA.
XX
AC ABG52473;
XX
DT 25-FEB-2003 (first entry)
XX
DE Human liver peptide, SEQ ID NO 31121.
XX
DE Human; liver; cirrhosis; hyperlipoproteinaemia; hyperlipidaemia;
KW Human; liver; cirrhosis; hyperlipoproteinaemia; hyperlipidaemia;
KW hypercholesterolaemia; coronary heart disease.
XX
OS Homo sapiens.
XX
PN WO200157273-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001MO-US00664.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX

PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
DR WPI; 2001-488898/53.
XX
PT Human genome-derived single exon nucleic acid probes useful for
XX analysing gene expression in human adult liver -
XX
PS Claim 27; SEQ ID No 31121; 658bp; English.
XX
CC The invention relates to a single exon nucleic acid probe (SEN) (I) for
CC measuring human gene expression in a sample derived from human adult
CC liver, comprising one of 13109 defined nucleotide sequences given in the
CC specification (or complements/ fragments). The probe hybridises at high
CC stringency to a nucleic acid molecule expressed in the human adult
CC liver. (I) may be used for predicting, measuring and displaying gene
CC expression in samples derived from human adult liver. The genes
CC identified may be involved in genetic liver diseases such as cirrhosis,
CC hyperlipoproteinaemia, hyperlipidaemia and hypercholesterolaemia which
CC is associated with coronary heart disease. ABG47348-ABG59930 represent
CC human liver single exon encoded peptides of the invention.
CC Note: The sequence information for this patent does not appear in the
CC printed specification but was obtained in electronic format directly
CC from WIPO at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 68 AA:
Query Match 20.3%; Score 366; DB 22; Length 68;
Best Local Similarity 100.0%; Pred. No. 6.5e-28;
Matches 68; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 51 MEEVLOKKADILISHPPIFRPMKRITWNTWKEKRLVIRALENRVGIYSPTAYDAAPGV 110
DB 1 MEEVLOKKADILISHPPIFRPMKRITWNTWKEKRLVIRALENRVGIYSPTAYDAAPGV 60
QY 111 NNWLAKGL 118
DB 61 NNWLAKGL 68
RESULT 11
ID ABB32385 standard; Peptide: 68 AA.
AC ABB32385;
DT 01-FEB-2002 (first entry)
XX
DE Peptide #5036 encoded by breast cell single exon nucleic acid probe.
XX
KW Human; microarray; single exon probe; gene expression; breast;
KW disease; cancer.
XX
OS Homo sapiens.
XX
PN WO200157271-A2.
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00662.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
PI Penn SG, Hanzel DK, Chen W, Rank DR;

XX
DR WPI; 2001-496933/54.
XX
PT New spatially-addressable set of single exon nucleic acid probes,
PT useful for measuring gene expression in sample derived from human
PT breast, comprises number of single exon nucleic acid probes -
XX
PS Claim 27; SEQ ID NO 15353; 327bp + sequence listing; English.
XX
CC The invention relates to a spatially-addressable set of single exon
CC nucleic acid probes for measuring gene expression in a sample derived
CC from human breast and BT 474 cells. The method involves contacting
CC the probes with a collection of detectably labelled nucleic acids
CC derived from mRNA of human breast, and then measuring the label
CC bound to each probe of the microarray. The probes are useful for
CC verifying the expression of regions of genomic DNA predicted to
CC encode proteins. They are useful for gene discovery, and for
CC determining predisposition and/or prognosing breast disease. Gene
CC expression analysis is useful for assessing the toxicity of chemical
CC agents on cells. The microarray of this invention presents a far greater
CC diversity of probes for measuring gene expression, with far less bias
CC than expressed sequence tag microarrays. The method is suitable for
CC rapid production of functional information from genomic sequence. The
CC present sequence is a peptide encoded by a single exon nucleic acid
CC probe of the invention.
CC Note: The sequence data for this patent did not form part of the
CC printed specification, but was obtained in electronic format directly
CC from WIPO at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 68 AA:
Query Match 20.3%; Score 366; DB 22; Length 68;
Best Local Similarity 100.0%; Pred. No. 6.5e-28;
Matches 68; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 51 MEEVLOKKADILISHPPIFRPMKRITWNTWKEKRLVIRALENRVGIYSPTAYDAAPGV 110
DB 1 MEEVLOKKADILISHPPIFRPMKRITWNTWKEKRLVIRALENRVGIYSPTAYDAAPGV 60
QY 111 NNWLAKGL 118
DB 61 NNWLAKGL 68
RESULT 12
ID ABB37667 standard; Peptide: 68 AA.
AC ABB37667;
DT 04-FEB-2002 (first entry)
XX
DE Peptide #5173 encoded by human foetal liver single exon probe.
XX
KW Human; foetal liver; gene expression; single exon nucleic acid probe.
KW
XX
OS Homo sapiens.
XX
PN WO200157277-A2.
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00669.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.


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XX  Penn SG, Hanzel DK, Chen W, Rank DR;
XX
XX  WPI; 2001-483447/52.
DR
XX  Human genome-derived single exon nucleic acid probes useful for
PT  analyzing gene expression in human fetal liver -
XX
XX  Claim 27; SEQ ID NO 30302; 639pp + sequence listing; English.
PS
XX  The invention relates to a single exon nucleic acid probe for
CC  measuring human gene expression in a sample derived from human foetal
CC  liver. The single exon nucleic acid probes may be used for predicting,
CC  measuring and displaying gene expression in samples derived from human
CC  fetal liver. The present sequence is a peptide encoded by a single exon
CC  nucleic acid probe of the invention.
CC  Note: The sequence data for this patent did not form part of the
CC  printed specification, but was obtained in electronic format directly
CC  from WIPO at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ  Sequence 68 AA;

Query Match      20.3%; Score 366; DB 22; Length 68;
Best Local Similarity 100.0%; Pred. No. 6.5e-28;
Matches 68; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY  51 MEEVLQKKADLILSYHPPIFRPMKRTWTWTKERLYRALKENVGITSPHTAYDAAPGV 110
DB  1 MEEVLQKKADLILSYHPPIFRPMKRTWTWTKERLYRALKENVGITSPHTAYDAAPGV 60
OY  111 NNWLAKGL 118
DB  61 NNWLAKGL 68

RESULT 13
AAM58295
ID  AAM58295 standard; Protein; 68 AA.
XX
AC  AAM58295;
XX
DT  05-NOV-2001 (first entry)
XX
DE  Human brain expressed single exon probe encoded protein SEQ ID NO: 30400.
XX
XX  Human: brain expressed exon; gene expression analysis; probe;
KM  microarray; Alzheimer's disease; multiple sclerosis; schizophrenia;
KW  epilepsy; cancer.
XX
OS  Homo sapiens.
XX
XX  WO200157275-A2.
PN
XX  09-AUG-2001.
PD
XX  30-JAN-2001; 2001WO-US00667.
PE
XX  04-FEB-2000; 2000US-0180312.
PR  26-MAY-2000; 2000US-0207456.
PR  30-JUN-2000; 2000US-0608408.
PR  03-AUG-2000; 2000US-0632366.
PR  21-SEP-2000; 2000US-0234687.
PR  27-SEP-2000; 2000US-0236359.
PR  04-OCT-2000; 2000GB-0024263.
XX
XX  (MOLE-) MOLECULAR DYNAMICS INC.
PA
XX  Penn SG, Hanzel DK, Chen W, Rank DR;
XX
XX  WPI; 2001-483446/52.
DR
XX  Single exon nucleic acid probes for analyzing gene expression in human
PT  brains -

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XX  Example 4; SEQ ID NO: 30400; 650pp + Sequence listing; English.
PS
XX  The present invention provides a number of single exon nucleic acid
CC  probes which are derived from genomic sequences expressed in the human
CC  brain. They can be used to measure gene expression in brain cell samples,
CC  which may enable the diagnosis and improved treatment of nervous system
CC  diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia,
CC  epilepsy and cancers. The present sequence is a protein encoded by one of
CC  the probes of the invention.
XX
SQ  Sequence 68 AA;

Query Match      20.3%; Score 366; DB 22; Length 68;
Best Local Similarity 100.0%; Pred. No. 6.5e-28;
Matches 68; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY  51 MEEVLQKKADLILSYHPPIFRPMKRTWTWTKERLYRALKENVGITSPHTAYDAAPGV 110
DB  1 MEEVLQKKADLILSYHPPIFRPMKRTWTWTKERLYRALKENVGITSPHTAYDAAPGV 60
OY  111 NNWLAKGL 118
DB  61 NNWLAKGL 68

RESULT 14
AAM18609
ID  AAM18609 standard; Protein; 68 AA.
XX
AC  AAM18609;
XX
DT  12-OCT-2001 (first entry)
XX
DE  Peptide #5043 encoded by probe for measuring cervical gene expression.
XX  Probe: human: microarray; gene expression; cervical epithelial cell;
KM  cervical cancer.
XX
OS  Homo sapiens.
XX
XX  WO200157278-A2.
PN
XX  09-AUG-2001.
PD
XX  30-JAN-2001; 2001WO-US00670.
PE
XX  04-FEB-2000; 2000US-0180312.
PR  26-MAY-2000; 2000US-0207456.
PR  30-JUN-2000; 2000US-0608408.
PR  03-AUG-2000; 2000US-0632366.
PR  21-SEP-2000; 2000US-0234687.
PR  27-SEP-2000; 2000US-0236359.
PR  04-OCT-2000; 2000GB-0024263.
XX
XX  (MOLE-) MOLECULAR DYNAMICS INC.
PA
XX  Penn SG, Hanzel DK, Chen W, Rank DR;
XX
XX  WPI; 2001-488901/53.
DR
XX  Human genome-derived single exon nucleic acid probes useful for
PT  analyzing gene expression in human cervical epithelial cells -
XX
XX  Claim 27; SEQ ID NO 23435; 487pp; English.
PS
XX  The present invention relates to human single exon nucleic acid probes
CC  (SENPs: see AAI10068-AA128459). The present sequence is a peptide encoded
CC  by one such probe. The SENPs are derived from human HeLa cells. The SENPs
CC  can be used to produce a single exon microarray, which can be used for
CC  measuring human gene expression in a sample derived from human cervical
CC  epithelial cells. By measuring gene expression, the probes are therefore
CC  useful in grading and/or staging of diseases of the cervix, notably

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CC cervical cancer.
CC Note: The sequence data for this patent did not form part of the printed
CC Specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 68 AA;
Query Match 20.3%; Score 366; DB 22; Length 68;
Best Local Similarity 100.0%; Pred. No. 6.5e-28;
Matches 68; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 51 MEEVLQKKADLLISYHPPIFRPMKRTWNTWKERLVIRALENRGYISPHYADAPQGV 110
DB 1 MEEVLQKKADLLISYHPPIFRPMKRTWNTWKERLVIRALENRGYISPHYADAPQGV 60
QY 111 NNMLAKGL 118
DB 61 NNMLAKGL 68
RESULT 15
AAM06178
ID AAM06178 standard; Protein; 68 AA.
AC AAM06178;
DT 09-OCT-2001 (first entry)
XX
DE Peptide #4860 encoded by probe for measuring breast gene expression.
XX
KW Probe: human; breast disease; breast cancer; development disorder;
KW Inflammatory disease; proliferative breast disease; non-carcinoma tumour.
XX
OS Homo sapiens.
XX
PN WC200157270-A2.
PD 09-AUG-2001.
XX
PF 29-JAN-2001; 2001WO-US00661.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
DR WPI; 2001-476286/51.
XX
PT Novel single exon nucleic acid probe used to measuring gene expression
XX in a human breast -
XX
PS Claim 27; SEQ ID No 14918; 322pp; English.
XX
CC The present invention relates to novel single exon nucleic acid probes
CC (see A100010-A110067). The present sequence is a peptide encoded by one
CC such probe. The probes are useful for measuring human gene expression in
CC a human breast sample, where the probe hybridises at high stringency to a
CC nucleic acid expressed in the human breast. The probes are useful for
CC predicting, diagnosing, grading, staging, monitoring and prognosing
CC diseases of the human breast, particularly those diseases with polygenic
CC aetiology. The diseases include: breast cancer, disorders of development,
CC inflammatory diseases of the breast, fibrocystic changes, proliferative
CC breast disease and non-carcinoma tumours.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.

XX
SQ Sequence 68 AA;
Query Match 20.3%; Score 366; DB 22; Length 68;
Best Local Similarity 100.0%; Pred. No. 6.5e-28;
Matches 68; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 51 MEEVLQKKADLLISYHPPIFRPMKRTWNTWKERLVIRALENRGYISPHYADAPQGV 110
DB 1 MEEVLQKKADLLISYHPPIFRPMKRTWNTWKERLVIRALENRGYISPHYADAPQGV 60
QY 111 NNMLAKGL 118
DB 61 NNMLAKGL 68
Search completed: August 22, 2003, 15:03:40
Job time : 91 secs